

## Amendments to the Claims

1    1. (currently amended) A method for concealing errors in an intra-frame of a  
2    compressed video, comprising:  
3                decoding the intra-frame to a plurality of macroblocks, each  
4    macroblock including a plurality of pixels arranged in a rectangular array;  
5                locating a lost macroblock during the decoding;  
6                concealing pixels along an outer boundary of the lost macroblock  
7    from nearest candidate pixels along outer boundaries of macroblocks  
8    immediately adjacent to the lost macroblock; and  
9                concealing all other pixels in the lost macroblock from nearest  
10   candidate pixels selected from previously concealed pixels in the lost  
11   macroblock; and further comprising:  
12       sorting the candidate pixels  $C_i$  in an ascending order in terms of  
13   intensity values of the candidate pixels;  
14       determining a median value of the ordered candidate pixels;  
15       determining a difference  $Diff_i$  between the intensity value of the  $i^{th}$   
16   candidate pixel and the median intensity value;  
17       determining a distance  $Dist_i$  between the  $i^{th}$  candidate pixel and the  
18   current pixel;  
19       determining an evaluation score  $S_i$  for the  $i^{th}$  candidate pixel as sum  
20   of  $Diff_i$  and  $Dist_i$ ;  
21       if the evaluation score  $S_i$  is greater than a threshold  $T$ , then rejecting  
22   the  $i^{th}$  candidate pixel; and  
23   linearly interpolating remaining candidate pixels and assign an

24    interpolated value to the current pixel  $p$  according to

25    
$$p = \left( \sum_i \frac{C_i}{Dist_i} \right) / \left( \sum_i \frac{1}{Dist_i} \right)$$

1    2. (original) The method of claim 1, in which the candidate pixels are  
2    directly above, below, to the left and to the right of a current pixel to be  
3    concealed.

1    3. (original) The method of claim 1, in which the pixels in the lost block are  
2    concealed in a spiral order, starting at an upper left corner of the lost block,  
3    and running then along the outer boundary, and ending in the middle of the  
4    lost block.

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6    4. (cancelled)

1    5. (currently amended) The method of claim 1 [[4]], in which the threshold is  
2    twenty.

1    6. (currently amended) The method of claim 1 [[4]], in which the distance  
2    metric is the number of pixels from the current pixel to the candidate pixel.

7. (new) The method of claim 1, further comprising:

encoding an uncompressed video into inter-frames and intra-frames to  
produce the compressed video;

replicating macroblocks along edges of each inter-frame; and

appending the replicated macroblocks at an end of the inter-frame.